



Section K

Site Integration

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INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

NOTE: Cost/Schedule data contained herein is as of October 31, 2001. All other information is as of November 29, 2001, unless otherwise noted.

There are no milestones (EA, DOE-HQ, and RL) in Fiscal Year (FY) 2002 for this PBS.

NOTABLE ACCOMPLISHMENTS

PLANNING & INTEGRATION (P&I) WBS 3.4.1.1

Support to the Integrated Lifecycle Baseline Validation - Project Baseline displays in HANDI have replaced the Multi-Year Work Plan (MYWP) exhibits. The new displays reflect the new PBS/WBS structures and display the technical, schedule, and cost baselines at the RL level of control. The display also includes performance objectives and measures and an executive summary. Cost loading reports from project detail schedules, the FH Summary Schedule, and WBS descriptions were generated and provided to the RL Mission Planning Division in support of the RL baseline validation effort. In addition, summary schedules were received from Bechtel, Pacific Northwest National Laboratory, and RL and incorporated into the Richland Operations Summary Schedule (RLSS). On October 25, 2001, schedules and cost profiles were produced from the combined schedule and provided to RL.

Lifecycle Baseline Adjustments - During the reporting period, Baseline Change Requests (BCRs) were initiated for RL directed changes in Bonneville Power Administration (BPA) electrical assessments and escalation factors. In addition, a BCR will be prepared to reflect updated forecasts received from RL in October for laundry assessments.

Business Management Oversight Process (BMOP) - As required by DOE Order 224.1, "Contractor Performance-Based Business Management Oversight Process," FH completed the self-assessment for FY 2001 on October 30, 2001. As requested by RL, other management assessments performed in BMOP functional areas during FY 2001 were also attached. Currently, P&I is working with RL to determine the annual review schedule of BMOP functional areas for FY 2002.

Ongoing monthly requirements completed in this reporting period -

An "FH Projects" Performance Management Meeting (PMM) focused on FH's Spent Nuclear Fuel (SNF), River Corridor, Nuclear Materials Stabilization/Plutonium Finishing Plant (PFP), and Waste Management projects, along with the Fast Flux Test Facility) was held on October 4, 2001, and primarily addressed August performance/status. On November 8, 2001, a Year-End "FH Projects" PMM was conducted, providing an overview of FH's performance through the end of FY 2001. To further increase the value of these monthly meetings for both RL and FH, an effort to restructure the FY 2002 PMMs has been initiated. Following a joint RL/FH workshop to address mutual goals and expectations of these reviews, all proposed changes/modifications are to be finalized during December. Implementation of the new format is slated for January 2002.

The Performance Execution Module (PEM) FY 2001 September Status Report was delivered on October 23, 2001 as scheduled through the electronic batch feed to the DOE-HQ IPABS-PEM. In FY 2002, performance data will be collected quarterly from all RL contractors and transmitted via PERM to DOE-HQ.

Environmental Compliance Program (ECP) WBS 3.4.1.2

RCRA Permitting Strategy - A workshop was held with DOE-RL and contractor personnel on November 13, 2001, to define issues to be addressed in the RCRA permitting strategy. This was the second workshop held to date. Future workshops will be held to address the identified issues and formulate a strategy that will be negotiated with Ecology to establish an approach for the permit renewal effort in 2004. This approach will need to address the current and future permitting needs of Hanford.

Quarterly Environmental Forum - The first DOE/Contractor Quarterly Environmental Forum was held November 15, 2001. The quarterly forum is intended to provide Hanford Site environmental professionals and program management staff with implementation guidance on environmental programs and stimulate discussion on environmental issues.

Response to Ecology LDR Report Comments - A response was delivered to Washington Department of Ecology (Ecology) on October 29, 2001, that addressed their comments on the Calendar Year 2000 Land Disposal Restrictions (LDR) Report. The response met the 30-day deadline for submitting a plan for document update in accordance with the processes outlined in Figure 9-1 of the *Hanford Federal Facility Agreement and Consent* Tri-Party Agreement (TPA).

NOC for K-Basins Sludge - The Notice of Construction (NOC) for storage of K-Basins sludge at the T Plant Complex was approved by Washington Department of Health (WDOH) on October 30, 2001.

New PFP Main Stack Sampling System - The PFP was assisted in planning for the new main stack (291-Z-1) radioactive air emissions sampling system to be put in place. The planning included development of a work plan for the removal of the existing sample equipment, analysis of residual material in that equipment to address State and Environmental Protection Agency (EPA) compliance concerns, and pursuing State and EPA approval of the new equipment.

Environmental Permitting Status Report - The Annual Environmental Permitting Status Report (DOE/RL-96-63, Revision 5) was completed on October 25, 2001.

216 Permit Renewal Application - The 216 permit renewal application for site wide categorical permits (ST4508, ST4509, ST4510) was completed and is scheduled for delivery to Ecology by November 30, 2001.

Response to WDOH NOV - A response was provided to WDOH for the October 15, 2001 Notice of Violation (NOV) and Compliance Order. This NOV addresses compliance with the As Low As Reasonably Achievable Control Technology (ALACART) standard for radioactive air emissions, as listed in WAC 246-247. Each Project was required to provide copies of applicable procedures showing how data from indication devices on air abatement systems was evaluated (trended) to provide early response to conditions where equipment may not be operating as designed.

Chemical Management Program Review - The FY 2001 Chemical Management Program Review was conducted on October 31, 2001. The accomplishments for 2001 and plans for 2002 were discussed.

Spill Reporting - Appropriate reporting responses were coordinated for ten non-reportable releases of a hazardous substance and/or a petroleum product released to the environment during October 2001. All

of these releases were cleaned up and disposed of per state and federal requirements. There were no reportable events with a release to the environment and three reportable code non-compliance events reported directly to the regulatory agencies.

ABCASH 2 (Automated bar coding of air samples at Hanford) - The ABCASH 2 system was successfully launched during October and November 2001. This system replaced the aging ABCASH system, which was designed over ten years ago to improve data collection and accountability for environmental and effluent samples with the use of handheld computers and a Paradox database application. Since that time, the technology has changed dramatically and the available technical support for Paradox was dwindling. The new ABCASH 2 uses Visual Basic, SQL Server, and Crystal Reports to provide a flexible, open architecture that will ensure a long service life. The new ABCASH 2 is compatible with new and older personal computers, and is ready for Windows 2000 migration.

Systems Engineering and Integration (SE&I) WBS 3.4.1.4

Support to the Integrated Lifecycle Baseline - SE&I developed an electronic version of the Integrated Lifecycle Baseline delivered on September 30, 2001 to RL. This electronic version contained "hot links" between the technical, schedule, and cost sections. A demonstration was provided for the FH Projects, the RL staff, and the RL Validation Team. SE&I placed the electronic version on the Strategic Planning & Integration (SP&I) web page.

SE&I also developed a series of "linked" excel files to assist in analyzing the Integrated (Scope, Schedule, and Cost) Baseline that was delivered to RL on September 30, 2001. The feedback from several demonstrations has been positive.

Requirements Management Support - SE&I worked with the FH Contracts Division to create a series of "linked" .html files that demonstrate flow down of the requirements from the FH Contract. This work will be placed on the FH Contract's web page.

Information Resource Management (IRM) WBS 3.4.1.5

LMSI Subcontract Successfully Negotiated - The Information Resource Management (IRM) services subcontract was successfully negotiated and extended for 5 years with Lockheed Martin Services, Inc. (LMSI). IRM services included in the subcontract: desktop support (e.g. Help Desk, field computer repairs), telecommunication services (e.g., radios, pagers, telephones, telephone switch, etc.), network operation and maintenance, server operation and maintenance, records and information management, system development, system operation, system integration, etc.

Other major elements of the IRM subcontract:

- **FY02 cost savings target exceeded** - The projected cost savings in FY02 from the new contract is \$4.6M, which is 50 percent greater than DOE-RL's \$3M target.
- **FY 2002 fixed price work scope target exceeded** - The projected percent of work that will be fixed price is 45 percent, which is 25 percent greater than DOE-RL's 35 percent target.
- **Qwest subcontract assigned to LMSI for Hanford telecommunication services** - As part of the new IRM contract, Qwest's telecommunication services contract with FH was assigned to LMSI.

LMSI Performs Fixed Unit Rate Billing - LMSI successfully accomplished billing for desktop and telecommunication services. The new process includes sending invoices to over 35 customers, using the rates and service level agreements negotiated by FH.

Training WBS 3.4.1.6

New Training Provider – HAMMER/Training worked with Procurement to recompetite the delivery of site-wide technical training support for Hanford contractors, under the FH Project Team (FHPT). The solicitation was issued August 1, 2001 and the contract was awarded to EnergyX on October 17, 2001. The new supplier will also potentially provide training services to the DOE and its other prime contractors, Bechtel Hanford, Inc., Hanford Environmental Health Foundation, CH2M HILL Hanford Group, and the Pacific Northwest National Laboratory.

HAMMER/Training Hazardous Waste Support – In October, the National Institute of Environmental Health Sciences (NIEHS) Grantee instructors provided nineteen 8-Hour Hazardous Waste Operations and Emergency Response Regulations (HAZWOPER) Refreshers and one 4-Hour Initial class. A special 24-Hour Initial class was added to meet the needs of the SNF Project. A total of 506 students were trained.

One 24-hour HAZWOPER special request class and twelve special respiratory classes were conducted in October supporting RL, SNF, River Corridor Project, River Protection Project, Fluor Federal Services, PFP, Analytical Services, and Waste Management. These special classes were important so that there was no down time or work stoppages due to unqualified workers.

HAMMER/Training Respiratory Support – A total of 30 Respiratory Protection Refresher and 16 Respiratory Protection Initial classes were conducted during October. A total of 310 students were trained in Respiratory Protection. Nine special Respiratory classes were held in October, training 36 individuals "just in time" to meet work requirements.

HAMMER/Training Support – HAMMER/Training provided a four-day Mobile Crane Inspection class for six FH rigging personnel who needed mobile crane inspector qualification to support cleanup efforts on the Hanford Site. This class provides hands-on training utilizing tow mobile crane, various rigging hardware, a crane operator provided by FH Crane Inspection Standards, plus lessons learned.

During the month of October HAMMER/Training coordinated the effort to gather information about the types of confined spaces and equipment used in the field for entry into confined spaces. The information has been compiled so that scenarios can be developed that will be representative of the tasks that individuals could encounter in the field.

HAMMER/Training Radiological Control Technicians (RCTs) Support – Thirty-six Radiological Control Technicians (RCTs) trainees have completed their fifth week of the Site Academics/On-the-job training (OJT) program. During this time they have received classroom lectures covering nine academic lessons. Two examinations have been administered, the first with an overall average of 88 percent and the second with an average of 85 percent. Students have also begun the OJT/On-the-job evaluator (OJE) process for eighteen of the tasks related to the corresponding academic lessons.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Nothing to report.

Opportunities for Improvement

Planning & Integration

Integrated Priority List (IPL) - A working schedule was developed identifying the activities and associated timeline for the upcoming FY 2004 Budget Formulation process. This process will conclude with the preparation and submission of an RL integrated work priority list to DOE-HQ. A planning meeting was held with cognizant representatives to train and review capabilities on the Integrated Priority List (IPL) Module, and to gather proposed improvements for the upcoming process. A meeting involving RL and FH was held November 14, 2001, to discuss preliminary requirements and possible modifications to the upcoming IPL product.

UPCOMING ACTIVITIES

Planning & Integration

- IPABS FY 2003 Limited Update – January 2002 (awaiting DOE-HQ guidance for the specific due date)
- Project Priority List (PPL) – January 2002 (specific due date to be established)

Environmental Compliance Program

- Annual BCAA Asbestos Notification of Intent - Due December 31, 2001
- Quarter 2 RCRA Permit Class I Modification Notification - Due January 2, 2002
- Quarter 2 NESHAP Status Report - Due January 28, 2002
- ST 4508 Log of Significant Discharges - Due January 31, 2002

Systems Engineering & Integration

- Clarification of life cycle ownership for each of the buildings and waste sites on the Hanford Site - Due December 13, 2001

Information Resource Management

- Wireless Communications Plan - Due March 31, 2002
- Long Range Operating Plan - Due March 31, 2002

Training

- Completion of upgrades to Hanford General Employee Training on the WEB to ensure that all personnel can use this tool with no Courseware Management system related problems - Due December 31, 2001

MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

FYTD									
By PBS	BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC	EAC
3.4.1.1 P&I	323.2	298.8	244.3	-24.4	-8%	54.5	18%	3,989.2	3,989.2
3.4.1.2 ECP	733.8	733.8	594.9	0	0%	138.9	19%	9,297.3	9,297.3
3.4.1.4 SE&I	51.8	51.8	22.2	0	0%	29.6	57%	8874	8874
3.4.1.5 IRM	855.5	855.5	612.6	0	0%	242.9	28%	10,408.9	10,408.9
3.4.1.6 Training	410.4	423.4	50.5	13.0	3%	372.9	88%	5,171.0	5,171.0
	2374.8	2363.4	1524.5	-11.4	-0%	838.8	35%	29,753.8	29,753.8

FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances PBS RL-SS01 are within established thresholds. The \$839K (35 percent) favorable cost variance is discussed in Cost Variance Analysis portion of this report.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.0M)

All schedule variances are within established thresholds.

Cost Variance Analysis: (+\$0.8M)

PLANNING & INTEGRATION (+\$0.06M)

Description/Cause: The \$55K (18 percent) favorable cost variance is mainly due to the reserve identified in the baseline (\$39K) and a reverse billing (\$12.3K).

Impact: There is no significant project impact at this time.

Corrective Action: None at this time.

ENVIRONMENTAL COMPLIANCE PROGRAM (+\$0.14M)

Description/Cause: The \$139K (19 percent) favorable cost variance is due to significant accrual reversals for FY 2001 contracted work occurred during October.

Impact: There is no significant project impact at this time. The favorable variance will decrease as invoices are processed for FY 2001 contract accruals.

Corrective Action: None at this time.

SYSTEMS ENGINEERING AND INTEGRATION (+\$0.03M)

Description/Cause: The \$30K (57 percent) favorable cost variance is due to the temporary reallocation of resources to support indirect work scope.

Impact: The favorable cost variance is expected to dissolve by end of first quarter as labor resources are reallocated to support direct funded SE&I work scope. As such there is no significant project impact at this time.

Corrective Action: None at this time.

INFORMATION RESOURCE MANAGEMENT (+\$0.24M)

Description/Cause: The \$243K (28 percent) favorable cost variance is due to a change in contract terms with LMSI, which resulted in several accruals being understated. This under run condition was further exaggerated by start-up problems associated with the revenue cost account.

Impact: There is no significant project impact at this time. It is anticipated that the favorable cost variance will significantly dissipate over the next two months.

Corrective Action: None at this time.

TRAINING (+\$0.37M)

Description/Cause: The \$373K (88 percent) favorable cost variance is due to an accounting error, which resulted in an overstatement of the Direct Distributable rate revenue.

Impact: There is no significant project impact at this time.

Corrective Action: The accounting error has been corrected and will be reflected in next month's report.

ISSUES

Technical, Regulatory, External, and DOE Issues and DOE Requests

Issue: Nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Baseline Change Log (\$000s)

BCR Number	Description	Submitted		Date Approved	Status
		Days	Dollars		